Amendments to the Specification:

1. Above line 1 on page 1, insert the following:

TITLE OF THE INVENTION

TRANSMISSION SEGMENTATION LOGIC IN
DATA COMMUNICATIONS INTERFACES

2. Delete the title on line 1:

~~DATA COMMUNICATIONS INTERFACES~~

3. Below the new title of the invention add the following:

CROSS REFERENCE TO RELATED APPLICATIONS

This application claims priority to European Patent No.: EP0012292.1, filed on October 23, 2000.

STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT

Not Applicable

4. Above line 3 on page 1, insert:

BACKGROUND OF THE INVENTION

(1) Field of the Invention

5. Above line 6 on page 1, insert:

(2) Description of the Related Art

6. Above line 18 on page 1, insert:

BRIEF SUMMARY OF THE INVENTION

7. Above line 10 on page 3, insert:

BRIEF DESCRIPTION OF THE DRAWINGS

8. Above line 29 on page 3, insert:

DETAILED DESCRIPTION OF THE INVENTION

9. Replace the original ABSTRACT OF THE DISCLOSURE on page 24 with the following:

A data communication interface for a node of a network, wherein the interface has transmission/reception segmentation logic for transmitting data frames from the node/network, respectively. The transmission segmentation logic supplies a transmission payload to a data transmission path, while the reception segmentation logic supplies reception payload to a data reception path. The transmission segmentation logic supplies header information to a transmission control path, while the reception segmentation logic supplies header information to a reception control path from the network. The communication of the payload data on the transmission and reception paths are controlled, respectively, by a transmission control processor using the header information in the transmission control path and by a reception control processor using the header information in the reception control path.